

PI 533009 to 533011-continued

PI 533010 **donor id:** TARS-62. **origin:** Puerto Rico. **pedigree:** PR-V-70-4-R173/70F-51. **remarks:** Maturity 115-120 days. Daylength sensitive. Blackeye seed type. Plants short, erect with medium long lateral vines. Stems basal, stout. Roots strong. Seeds 20 per pod, 17.5g per 100. Green shell average yield 4314 kg/ha. Dry grain average 1460 kg/ha. **disease resistance:** Powdery mildew, cowpea mosaic, cercospora leafspot. Root rots. **insect resistance:** Cowpea curculio. Annual. Breeding Material. Seed.

PI 533011 **donor id:** TARS-48. **origin:** Puerto Rico. **pedigree:** PR-V-70-4-R373/70F-51. **remarks:** Maturity 115-120 days. Daylength sensitive. Cream southern pea type. Plants short, erect with medium long lateral vines. Stems basal, stout. Roots strong. Seeds 20 per pod, 14.5g per 100. Green shell average 2781 kg/ha. Dry grain average 528 kg/ha. **disease resistance:** Powdery mildew, cowpea mosaic, cercospora leafspot. Root rots. **insect resistance:** Cowpea curculio. Annual. Breeding Material. Seed.

PI 533012. *Australopyrum pectinatum* (Labill.) A. Love POACEAE

**Donated by:** Crane, C.F., Carman, J.G., Department of Plant Science, Utah State University, Logan, Utah, United States. Received February 1988.

**donor id:** 86174. **origin:** Australia. **collected:** February 07, 1986. **collector:** C.F. Crane. **collector id:** 86174. **locality:** Gravel road, nearly full sun or shade, 6.1km up Mt. Barrow road from Tasman Highway. **remarks:** Lower spikelets pointed downwards. Glumes sharp. Wild. Seed.

PI 533013 to 533014. *Australopyrum retrofractum* (Vick.) A. Love POACEAE

**Donated by:** Crane, C.F., Carman, J.G., Department of Plant Science, Utah State University, Logan, Utah, United States. Received February 1988.

PI 533013 **donor id:** 86146. **origin:** Australia. **collected:** February 01, 1986. **collector:** C.F. Crane. **collector id:** 86146. **locality:** Black cracking clay, 15.8km W of intersection of Highway 23 on gravel road to Dalgety. **remarks:** Flowers fertile. Glumes pungent. Wild. Seed.